

POLYETHYLENE RESIN POWDER COMPOSITION FOR POWDER COATING

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Abstract

PURPOSE: To provide the title compsn. which gives a coating film having a mottled pattern having a feeling of deepness, by blending two specified PE resin powders with (nucleus-substituted) dibenzylidenesorbitol.
CONSTITUTION: 90-60pts.wt. PE resin powder (a) which has an MI of 5-100g/10min, a density of 0.910-0.935g/cc and a particle size of not larger than 500mu, whose sheet of 50mu in thickness has a haze of not higher than 30% and which is not colored, is mixed with 10-40pts.wt. two-color or multi-color PE resin powder (b) which has an MI of 1-500g/10min, a density of 0.910-0.970g/cc and a particle size of not larger than 1,000mu and is colored, to obtain a powder compsn. (A). 100pts.wt. component A is blended with 0.1-1.0 pts.wt. pref. 0.2-0.6pts.wt. (nucleus-substituted) dibenzylidenesorbitol (B) having the formula to obtain the title compsn. having a bulk density of 0.25-0.55g/cc, a particle size of not larger than 1,000mu and an angle of repose of 25-45 deg..

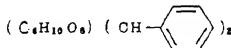
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TITLE : POLYETHYLENE RESIN POWDER
 COMPOSITION FOR POWDER
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